Index of Claims

| Applicant(s) |
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| LEE ET AL.   |
| Art Unit     |
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| <b>√</b> | Rejected |
|----------|----------|
| -        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

Sung H. Pak

| A | Appeal   |
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| 0 | Objected |

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|          |          |                 | <u> </u> |          |            |            | J                                                |          | L        | !              |     |            |          |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|----------|----------|-----------------|----------|----------|------------|------------|--------------------------------------------------|----------|----------|----------------|-----|------------|----------|--------------------------------------------------|----------|--------------------|----------------|------------|--------------------------------------------------|---------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|
| Cla      | aim      |                 |          |          | 1          | Dat        | <br>e                                            |          |          |                |     | Cla        | aim      |                                                  |          |                    |                | ate        | <u> </u>                                         |                                             |                                                  |              |                                                  |
| Final    | Original | 7/20/04         |          |          |            |            | :                                                |          |          |                |     | Final      | Original |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              | Final                                            |
| 1        | 1        | =               |          |          |            | _          | <del>                                     </del> |          | -        | ╁              |     |            | 51       |                                                  | ┪        |                    |                | <u>-</u> - | _                                                | ┞                                           | $\vdash$                                         | <del> </del> | ┨┞                                               |
| 2        | 2        | =               |          |          |            |            |                                                  |          |          |                |     |            | 52       |                                                  | $\top$   | $\dashv$           |                |            |                                                  |                                             | $\vdash$                                         | $\vdash$     | 1                                                |
| 3        | 3        | =               |          |          |            |            |                                                  |          |          |                | 1   |            | 53       |                                                  | $\top$   | ┪                  | T              |            |                                                  |                                             | <u> </u>                                         | ╁            | 1                                                |
| 4        | 4        | =               |          |          | _          | <b> </b>   | _                                                | 1        |          |                | 1   |            | 54       | $\Box$                                           | 寸        | $\dashv$           |                |            |                                                  |                                             | T                                                |              | 1                                                |
| 5        | 5        | =               |          |          |            |            |                                                  |          |          |                | 1   | _          | 55       | $\Box$                                           | 寸        | $\dashv$           |                |            |                                                  | _                                           | <u> </u>                                         |              | 1                                                |
| 6        | 6        | =               |          |          |            |            | Π                                                |          |          | 1              |     |            | 56       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              | 1                                                |
| 7        | 7        | Ξ               |          |          |            |            |                                                  |          |          |                |     |            | 57       |                                                  | $\neg$   | $\Box$             |                |            |                                                  |                                             |                                                  |              | ] [                                              |
| 8        | 8        | п               |          |          |            |            |                                                  |          |          |                |     |            | 58       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              | ]                                                |
| 9        | 9        | =               |          |          |            |            |                                                  |          |          |                |     |            | 59       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              | ]                                                |
| 10       | 10       | =               |          |          |            | L          | <u> </u>                                         | ļ        |          | ļ              |     |            | 60       |                                                  | _        | _                  |                |            | <u> </u>                                         | <u> </u>                                    | <u> </u>                                         |              | ┨                                                |
| 11       | 11       | =               |          |          | <u> </u>   | _          |                                                  |          |          | _              |     |            | 61       | $\sqcup$                                         | 4        |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
| 12       | 12       | =               |          |          | _          |            |                                                  | _        | _        | _              |     |            | 62       | $\vdash$                                         | -        | _                  |                |            |                                                  |                                             |                                                  |              |                                                  |
| 13       | 13       | =               |          |          |            | <u> </u>   |                                                  | <u> </u> |          | <del> </del> _ |     |            | 63       |                                                  | 4        | _                  | $\dashv$       |            |                                                  |                                             | L                                                |              |                                                  |
|          | 14       | _               |          |          | ļ <u>.</u> |            |                                                  | _        |          | -              |     |            | 64       |                                                  | -        | - 11               | 1.77           |            | -                                                |                                             |                                                  |              | -                                                |
|          | 15       |                 | 7        |          |            |            |                                                  |          |          |                |     |            | 65       |                                                  | +        | +                  |                | ш          |                                                  | -                                           |                                                  |              |                                                  |
|          | 16<br>17 |                 |          | 44       |            |            | 114                                              |          |          | -              |     |            | 66<br>67 |                                                  | $\dashv$ | $\dashv$           | -              |            | <del> </del>                                     | -                                           | <del> </del>                                     | <del> </del> | ┨┤├─                                             |
| -        | 18       |                 | $\dashv$ |          | $\vdash$   | $\vdash$   | $\vdash$                                         | $\vdash$ |          | $\vdash$       |     |            | 68       |                                                  | +        | $\dashv$           |                |            | -                                                |                                             | $\vdash$                                         | -            | ┧┝─                                              |
|          | 19       |                 | $\dashv$ |          | $\vdash$   |            |                                                  | $\vdash$ |          |                |     |            | 69       |                                                  | $\dashv$ | $\dashv$           |                |            | $\vdash$                                         | -                                           | $\vdash$                                         | -            | ┨ ├──                                            |
|          | 20       |                 | $\dashv$ |          |            |            |                                                  |          |          |                |     |            | 70       | <del>                                     </del> | -+       |                    | -              |            | <del>                                     </del> |                                             | <del> </del>                                     | -            | ┧├─                                              |
|          | 21       |                 | $\dashv$ | _        | _          | $\vdash$   |                                                  | $\vdash$ |          |                |     |            | 71       |                                                  | $\dashv$ | $\dashv$           | $\dashv$       |            |                                                  |                                             | $\vdash$                                         |              | ┧ ├─                                             |
|          | 22       |                 |          |          |            |            |                                                  |          |          |                |     |            | 72       |                                                  | $\dashv$ | $\dashv$           | $\neg \dagger$ |            | $\vdash$                                         |                                             | H                                                |              | 1 -                                              |
|          | 23       |                 | TT       | 777      |            |            |                                                  |          |          |                |     |            | 73       |                                                  | $\dashv$ | $\dashv$           |                |            |                                                  | Ι-                                          | <del>                                     </del> |              | 1                                                |
|          | 24       |                 |          |          | -          |            |                                                  |          |          | -              |     | · ·-       | 74       |                                                  | $\neg$   |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 25       |                 |          |          |            |            |                                                  |          |          |                |     |            | 75       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 26       |                 |          |          |            |            |                                                  |          |          |                |     |            | 76       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 27       |                 |          |          |            |            |                                                  |          |          |                |     |            | 77       |                                                  |          |                    | $\Box$         |            |                                                  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}$ |                                                  | L            |                                                  |
| <u> </u> | 28       |                 |          |          |            | <u> </u>   |                                                  |          |          | <u> </u>       |     | _          | 78       |                                                  | $\perp$  | $\bot$             |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 29       |                 |          |          |            |            | ļ <u>.</u>                                       |          |          |                |     |            | 79       | $\sqcup$                                         | $\perp$  | $\downarrow$       | ļ              |            |                                                  | L.                                          | _                                                |              |                                                  |
|          | 30       |                 |          |          |            |            |                                                  |          |          |                |     |            | 80       | $\perp$                                          | $\dashv$ | $\dashv$           |                |            |                                                  |                                             | <u> </u>                                         | <u> </u>     | <b>↓                                    </b>     |
|          | 31       | _               |          |          |            |            |                                                  |          |          | ļ              |     |            | 81       |                                                  | 4        |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 32       | _               |          |          |            | <b> </b> - |                                                  |          | <u> </u> |                |     |            | 82       |                                                  | +        | -                  | _              |            |                                                  |                                             |                                                  | _            | <del>                                     </del> |
|          | 33       |                 |          |          |            | _          | _                                                |          |          |                |     |            | 83       | +                                                | +        | $\dashv$           | $\dashv$       |            |                                                  |                                             |                                                  |              | -                                                |
|          | 34<br>35 | _               |          | _        |            | $\vdash$   |                                                  |          | -        | $\vdash$       |     |            | 84<br>85 | $\vdash$                                         | +        | $\dashv$           |                |            | _                                                | ├                                           | $\vdash$                                         | H            | ┨ ├──                                            |
|          | 36       | 17.7            |          |          |            |            |                                                  |          |          |                |     |            | 86       | +                                                | +        | $\dashv$           | $\dashv$       |            |                                                  | $\vdash$                                    | $\vdash$                                         | $\vdash$     | ( <del>-</del>                                   |
|          | 37       |                 |          |          |            |            |                                                  |          |          |                | ηŶ  |            | 87       |                                                  | +        | $\dashv$           | $\dashv$       |            |                                                  |                                             |                                                  |              |                                                  |
|          | 38       |                 | $\dashv$ |          |            | $\vdash$   |                                                  | $\vdash$ |          |                | 1.3 |            | 88       | $\vdash$                                         | +        | $\dashv$           | $\dashv$       |            |                                                  | $\vdash$                                    | $\vdash$                                         | <del> </del> |                                                  |
|          | 39       |                 |          |          |            |            |                                                  |          |          |                |     |            | 89       |                                                  |          |                    |                |            |                                                  | 147                                         | i i                                              | in           |                                                  |
|          | 40       |                 |          |          |            |            |                                                  |          |          |                |     |            | 90       |                                                  | 1        | 1                  |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 41       |                 |          |          |            |            |                                                  |          |          |                |     |            | 91       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 42       |                 |          |          |            |            |                                                  |          |          |                |     |            | 92       |                                                  |          |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
| TTI      | 43       |                 |          |          |            |            |                                                  |          |          |                |     |            | 93       |                                                  | $\prod$  |                    |                |            |                                                  |                                             |                                                  |              |                                                  |
|          | 44       |                 |          |          |            |            |                                                  |          |          |                |     |            | 94       |                                                  | $\int$   | $oldsymbol{\perp}$ | $\Box$         |            |                                                  |                                             |                                                  |              |                                                  |
|          | 45       |                 | $\Box$   |          |            |            |                                                  |          |          | Щ              |     |            | 95       |                                                  | $\perp$  | $\perp$            |                |            |                                                  | _                                           | <u> </u>                                         | <u> </u>     | ]                                                |
| ļ        | 46       |                 |          |          |            |            |                                                  | Щ        |          | Ш              |     |            | 96       |                                                  | $\perp$  | _                  | _              |            |                                                  |                                             |                                                  | _            | ↓                                                |
|          | 47       | Щ               |          |          |            |            |                                                  | Щ        |          | $\square$      |     |            | 97       |                                                  | _        | 4                  | $\dashv$       |            | ·                                                |                                             | <u> </u>                                         |              | <b>!</b>                                         |
|          | 48       |                 | _        |          |            |            |                                                  |          |          | $\square$      |     |            | 98       |                                                  | +        | 4                  | $\dashv$       |            |                                                  | _                                           | ļ                                                | <u> </u>     | <b>↓</b>                                         |
|          | 49<br>50 | $\vdash \vdash$ |          | $\dashv$ |            |            |                                                  |          |          | $\vdash$       |     |            | 99       |                                                  | +        | -                  | $\dashv$       |            |                                                  |                                             | ├—                                               | _            | ┨ ├──                                            |
| L        | 50       |                 |          |          |            | l          | L                                                | L l      |          |                |     | لــــــــا | 100      |                                                  |          |                    |                |            |                                                  | L                                           | <u> </u>                                         | <u></u>      | ] [                                              |

|          | aim        | 1 |                                        |          |   | Date                                             |          |     |          |          |
|----------|------------|---|----------------------------------------|----------|---|--------------------------------------------------|----------|-----|----------|----------|
| Cic      |            | ┝ | <u> </u>                               | П        |   |                                                  | <u> </u> | Γ   | <u> </u> | 一        |
| Final    | Original   |   |                                        |          |   |                                                  |          |     |          |          |
|          | 101        |   |                                        |          |   |                                                  | -        |     |          | $\vdash$ |
|          | 102        |   | $\vdash$                               |          |   |                                                  |          |     |          | Н        |
|          | 103        | _ | -                                      | $\vdash$ |   |                                                  |          |     |          | H        |
|          | 104        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 105        | - | -                                      | $\vdash$ |   | $\vdash$                                         |          | -   |          | $\vdash$ |
|          | 106        |   | <del> </del>                           |          |   |                                                  |          |     |          |          |
|          | 107        |   |                                        | ┢─       | _ |                                                  | <u> </u> |     |          | H        |
|          | 108        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 109        |   |                                        |          | _ | <del>                                     </del> |          |     | İ        | П        |
|          | 110        |   |                                        | $\vdash$ |   |                                                  |          |     |          |          |
|          | 111        |   |                                        |          |   |                                                  |          |     |          | П        |
|          | 112        | · |                                        |          |   |                                                  |          |     |          |          |
|          | 113        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 114        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 115        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 116        | _ |                                        | _        |   |                                                  |          |     |          |          |
|          | 117        |   | <u> </u>                               |          | L |                                                  |          |     |          |          |
|          | 118        |   |                                        |          |   |                                                  | <u> </u> |     |          |          |
|          | 119        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 120        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 121<br>122 |   |                                        | -        |   | <del> </del> -                                   |          |     |          |          |
|          | 123        | _ | -                                      |          |   |                                                  |          |     |          | -        |
|          | 124        | - |                                        |          |   |                                                  | ė -      | 57  |          |          |
|          | 125        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 126        |   |                                        |          |   |                                                  |          |     |          | П        |
|          | 127        |   |                                        |          |   | U                                                | (if      | ini |          |          |
|          | 128        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 129        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 130        |   |                                        |          |   |                                                  |          |     | . !      |          |
|          | 131        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 132        |   |                                        |          |   |                                                  |          |     |          | Ш        |
|          | 133        |   |                                        |          |   | <u> </u>                                         |          |     |          |          |
|          | 134        |   |                                        | _        |   | _                                                |          |     |          | Н        |
|          | 135<br>136 |   |                                        |          |   |                                                  | F        |     |          |          |
|          | 137        |   |                                        |          |   | -                                                |          |     |          |          |
|          | 138        |   |                                        | _        |   | _                                                |          |     |          |          |
|          | 139        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 140        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 141        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 142        |   |                                        |          |   |                                                  |          |     |          |          |
|          | 143        | _ |                                        | _        |   |                                                  | _        |     | ſη.      |          |
|          | 144        |   |                                        |          |   | _                                                |          |     |          |          |
|          | 145<br>146 |   |                                        |          | _ | <u> </u>                                         |          |     |          | H        |
|          | 147        |   |                                        |          |   | $\vdash$                                         |          |     |          | -        |
| $\dashv$ | 148        |   |                                        |          |   | $\vdash \vdash$                                  |          |     |          | H        |
|          | 149        |   |                                        |          |   | $\vdash \vdash$                                  |          | _   |          | H        |
|          | 150        | - |                                        |          |   | H                                                |          | _   |          |          |
|          |            |   | ــــــــــــــــــــــــــــــــــــــ |          |   |                                                  |          |     | نــــا   |          |